

Figure 1

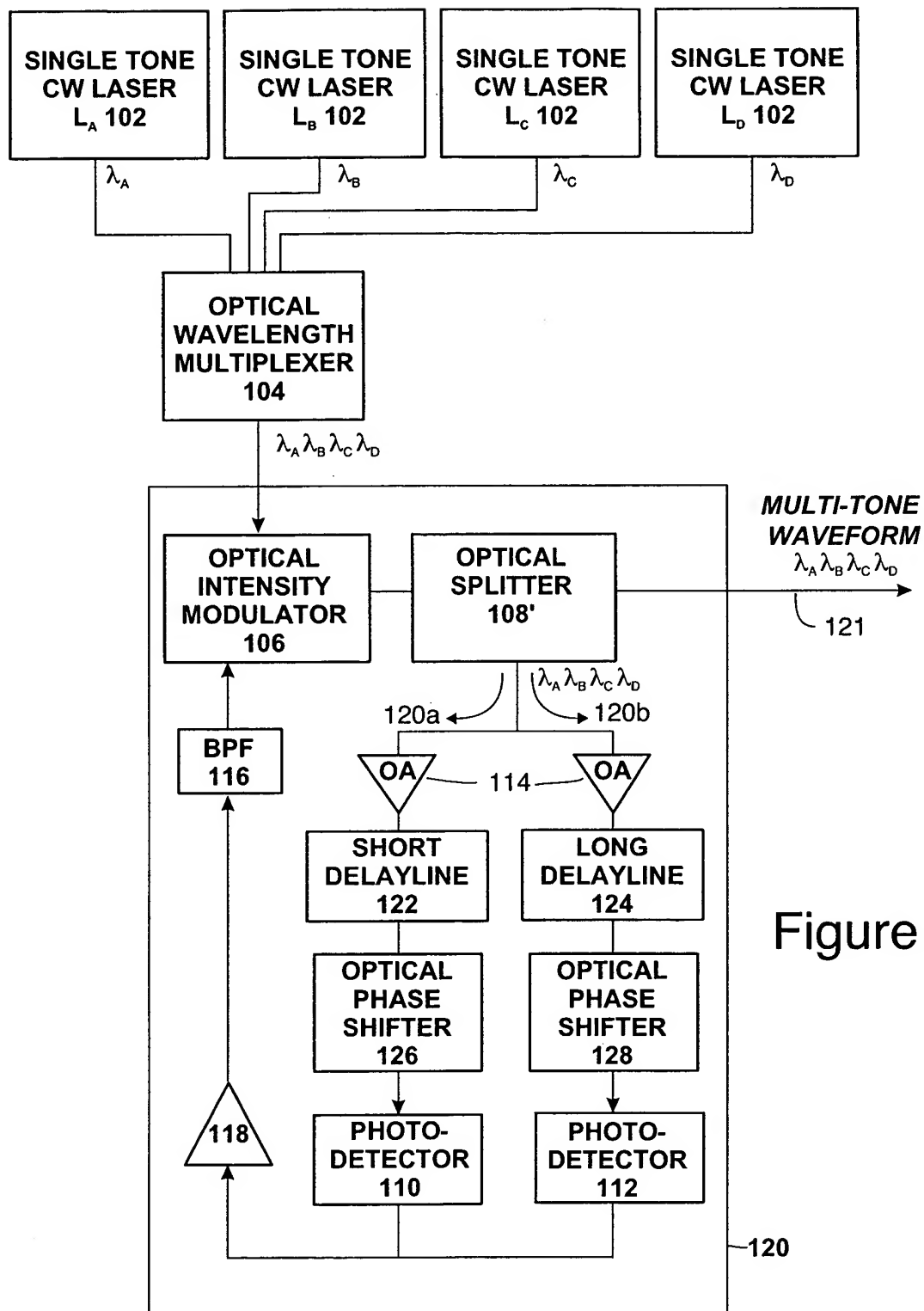


Figure 2

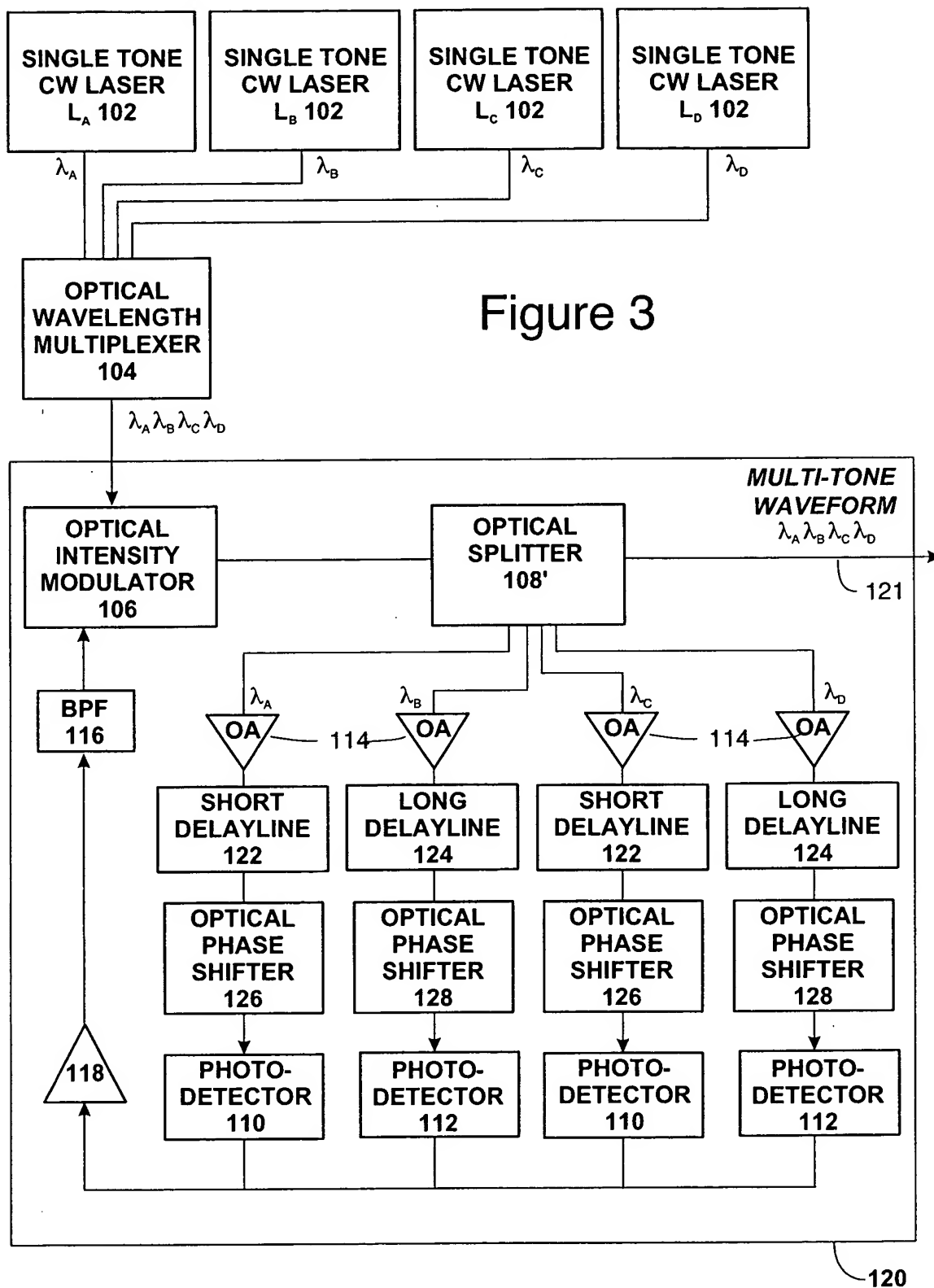


Figure 4a

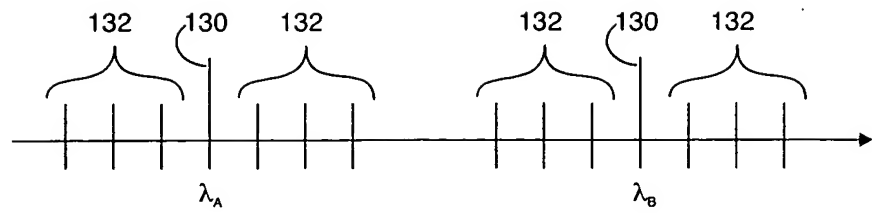


Figure 4b

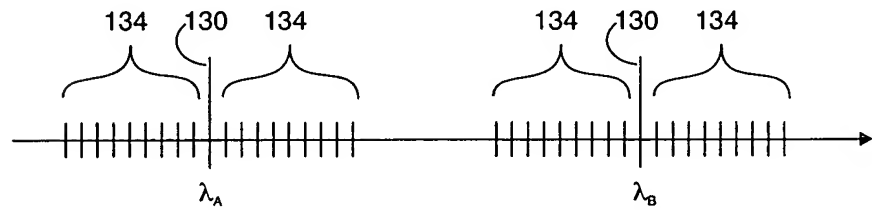


Figure 4c

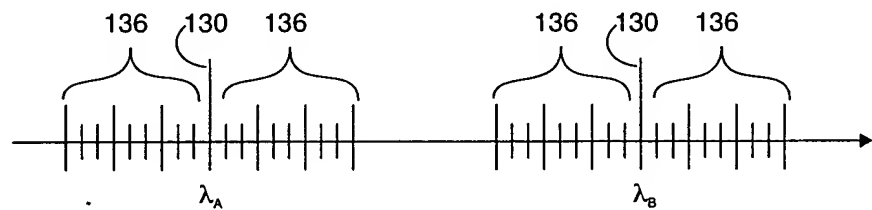


Figure 4d

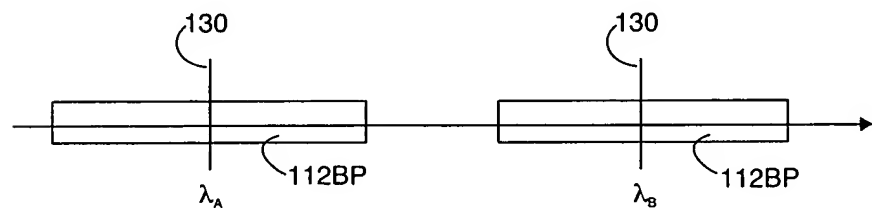


Figure 4e

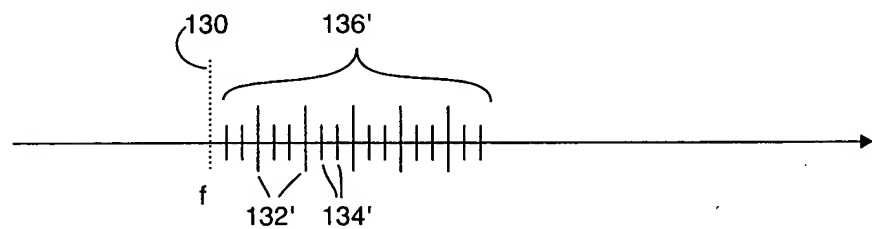
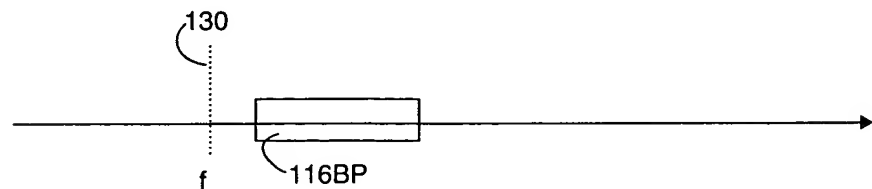


Figure 4f



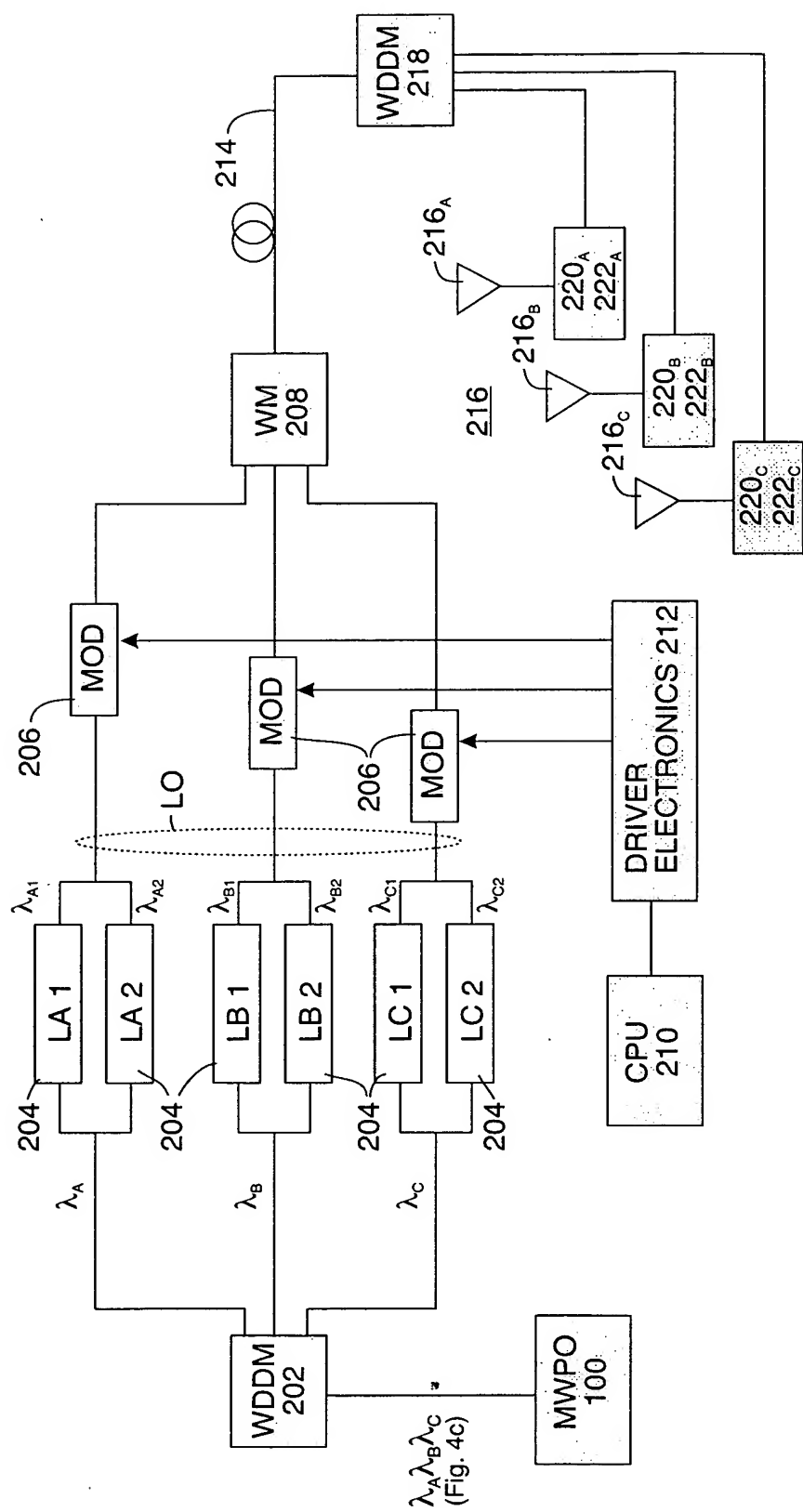


Figure 5

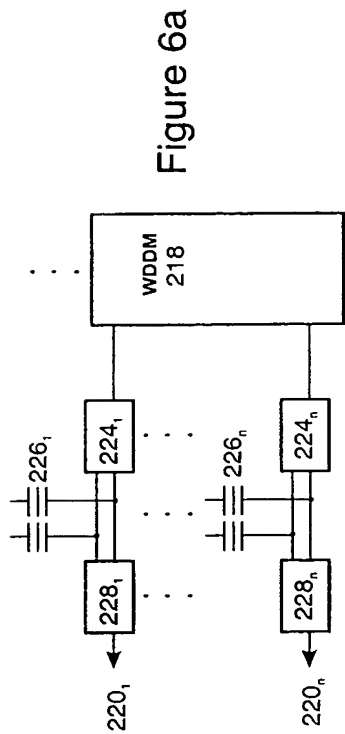
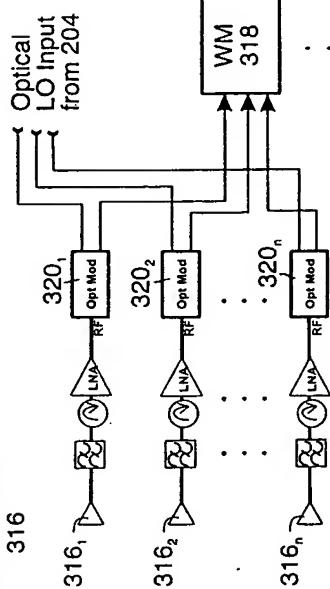
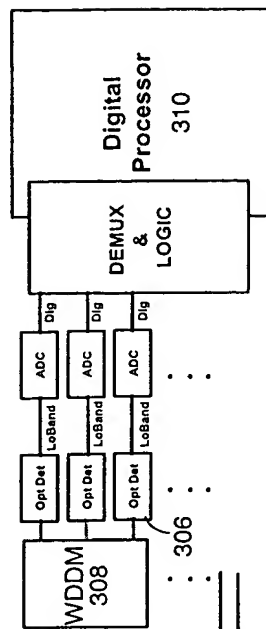


Figure 6a

RECEIVE
Antenna Elements
316

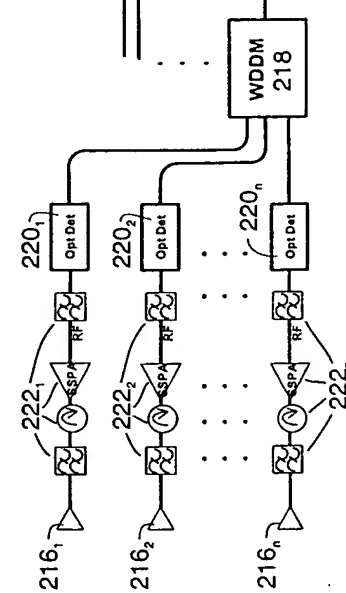


Frequency Down Conversion
At Optical Detector



Multiple
Optical
Fibers

TRANSMIT
Antenna Elements



Frequency Up Conversion
at the Optical Detectors

From / To
Different SubArrays

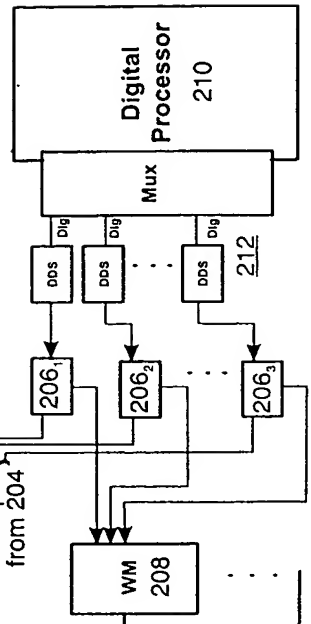


Figure 6